

SUMMARY OF PUBLICATIONS (FH21)

Sr.no.	Type of Publication	No. of Publications
1.	Journal Publications	18
2.	Conference Publications	13

PAPERS PUBLISHED IN JOURNALS

FH21

Sr. No.	Name of Faculty Member	Details of Papers Published	Date	DOI	Category
1.	S.M. Khot	M. M. Patil, P. Kumar, S. M. Khot and N. Satpute, "Characterization of Magneto-Rheological Damper," IEEE Xplore, pp. 1-5, 2021	30th July 2021	https://doi.org/10.1109/ICNTE51185.2021.9487576	IEEE Xplore/ Scopus
2.	S.M. Khot	S. M. Khot, N. P. Yelve and P. Kumar, "Investigation on Performances of Different types of Classical Controllers in Active Vibration Control," IEEE , 2021, pp. 1-6, 2021	30th July 2021	https://doi.org/10.1109/ICNTE51185.2021.9487586	IEEE Xplore
3.	Nilaj Deshmukh	Deshmukh, Ansari A., Sharvil Degwekar; Rohit nnikrishnan; Benson Thomas Paul, "Effects of Volume and Neck Length of Helmholtz Resonator on Thermo-acoustic Instability"	15-16 Jan. 2021	10.1109/ICNTE51185.2021.9487662	IEEE Xplore
4.	Nilaj Deshmukh	Deshmuk N.N., Sharma, S.D. "Different Experimental Approaches for Characterization of Thermo-acoustic Instabilities." J. Inst. Eng. India Ser. C (2021).	31 st March 2021	https://doi.org/10.1007/s40032-021-00670-2	Scopus
5.	Nitesh Yelve	S. M. Khot, N. P. Yelve and P. Kumar, "Investigation on Performances of Different types of Classical Controllers in Active Vibration Control," IEEE Xplore , 2021, pp. 1-6, 2021	30th July 2021	https://doi.org/10.1109/ICNTE51185.2021.9487586	IEEE Xplore
6.	Aqleem Siddiqui	Praseed Kumar; Aqleem Siddiqui; Ashay Ghadi; Denisa Tony; Stephen Rhenius; Saleel Rane , " Automated Seed Sowing Robot", IEEE Xplore , vol.2, pp. 1-4	30th July 2021	https://doi.org/10.1109/ICNTE51185.2021.9487573	IEEE Xplore

7.	Sanjay Rukhande	Sanjay W. Rukhande, W. S. Rathod & Digvijay Bhosale, "High-temperature tribological investigation of APS and HVOF sprayed NiCrBSiFe coatings on SS 316L", Tribology - Materials, Surfaces & Interfaces, DOI: 10.1080/17515831.2021.1898887	12 th April 2021	https://doi.org/10.1080/17515831.2021.1898887	Web of Science
8.	Sanjay Rukhande	S.W. Rukhande, W. S. Rathod and D. Bhosale, "Sliding Wear Investigation of Ni-based Coating for High-Temperature Application", Tribology in Industry, Vol. 43, No 2, pp. 247-258, , 2021	15 th June 2021	10.24874/ti.945.08.20.11	Web of Science
9.	Prasad Bari	P. Bari and P. Karande, "Application of PROMETHEE-GAIA method to priority sequencing rules in a dynamic job shop for single machine", Materials Today	10 th Feb 2021	https://doi.org/10.1016/j.matpr.2020.12.854 .	Scopus
10.	Prasad Bari	P. Bari and P. Karande,"Scheduling Problem in a Job-shop with Common Due Date to Minimize Cost and Makespan: Modeling Approach", Manufacturing Technology and Research (An International Journal) Vol. 13 ,no. 1-2, pp18-27, 2021	20th June 2021	http://nebula.wsimg.com/2b0190bf427c8ec71af8889cfd73ae8b?AccessKeyId=5F3CC2159ACF9F0B97B9&disposition=0&alloworigin=1	Scopus
11.	Praseed Kumar	Praseed Kumar; Aqleem Siddiqui; Ashay Ghadi; Denisa Tony; Stephen Rhenius; Saleel Rane , " Automated Seed Sowing Robot", IEEE Xplore , vol.2, pp. 1-4	30th July 2021	https://doi.org/10.1109/ICNTE51185.2021.9487573	IEEE Xplore
12.	Praseed Kumar	S. M. Khot, N. P. Yelve and P. Kumar, "Investigation on Performances of Different	30th July 2021	https://doi.org/10.1109/ICNTE51185.2021.9487	IEEE Xplore

		types of Classical Controllers in Active Vibration Control," IEEE , 2021, pp. 1-6, 2021		586	
13.	Praseed Kumar	P. Kumar, A. Siddiqui, A. Ghadi, D. Tony, S. Rhenius and S. Rane, "Damage Detection in beams using Vibration analysis and Artificial Neural Network," IEEE, pp. 1-5, 2021	30th July 2021	https://doi.org/10.1109/ICNTE51185.2021.9487658	IEEE Xplore
14.	Praseed Kumar	M. M. Patil, P. Kumar, S. M. Khot and N. Satpute, "Characterization of Magneto-Rheological Damper," IEEE Xplore, pp. 1-5, 2021	30th July 2021	https://doi.org/10.1109/ICNTE51185.2021.9487576	IEEE Xplore
15.	Badal Kudachi	Badal Kudachi, Nilesh Varkute, Bipin Mashilkar, Srikant Guthulla, Prabhav Jayaprakash, Alex Aaron, Simran Joy, "Experimental and computational study of phase change material based shell and tube heat exchanger for energy storage", Materials Today: Proceedings, 2021	26 th May 2021	https://doi.org/10.1016/j.matpr.2021.05.295	Scopus
16.	Nilesh Varkute	Badal Kudachi, Nilesh Varkute, Bipin Mashilkar, Srikant Guthulla, Prabhav Jayaprakash, Alex Aaron, Simran Joy, "Experimental and computational study of phase change material based shell and tube heat exchanger for energy storage", Materials Today: Proceedings, 2021	26 th May 2021	https://doi.org/10.1016/j.matpr.2021.05.295	Scopus
17.	Bipin Mashilkar	Badal Kudachi, Nilesh Varkute, Bipin Mashilkar, Srikant Guthulla, Prabhav Jayaprakash, Alex Aaron, Simran Joy, "Experimental and computational study of phase change material based shell and tube heat exchanger for energy	26 th May 2021	https://doi.org/10.1016/j.matpr.2021.05.295	Scopus

		storage", Materials Today: Proceedings, 2021			
18.	Afzal Ansari	Deshmukh, Ansari A., Sharvil Degwekar; Rohit nnikrishnan; Benson Thomas Paul, "Effects of Volume and Neck Length of Helmholtz Resonator on Thermo-acoustic Instability"	15-16 Jan. 2021	10.1109/ICNT E51185.2021.9487662	IEEE Xplore

PAPERS PUBLISHED IN CONFERENCES

FH21

Sr. No.	Name of Faculty Member	Details of Papers Published	Date	Category
1.	S.M. Khot	Mrunalini M Patil, Praseed Kumar, S.M Khot, Nitin Satpute, " Characterization of Magneto-Rheological Damper", 4 th Biennial International Conference on Nascent	15-16 Jan 2021	Scopus
2.	S.M. Khot	S. M. Khot , Praseed Kumar, Jabez James , Atul Shenoy , Aditya Shende , Joel Thomas , "Automated Seed Sowing Robot" , in Proc. 4th Biennial International Conference on Nascent Technologies in Engineering , Vashi , India, Jan. 15-16 , 2021 , pp. 1-4	15-16 Jan 2021	IEEE Xplore
3.	Nilaj Deshmukh	N. N. Deshmukh, A. Ansari, S. Degwekar, R. Unnikrishnan and B. T. Paul, "Effects of Volume and Neck Length of Helmholtz Resonator on Thermo-acoustic Instability," 2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE), 2021, pp. 1-5, doi: 10.1109/ICNTE51185.2021.9487662.	15-16 Jan 2021	IEEE Xplore
4.	Mathewlal Thomas	Aditya Nair, Anurag Bhatkar, Blesson Biju, Aditya Shetty, Mathewlal Thomas, "Design and Development of a Smart Wheelchair" in Proc. 4th Biennial International Conference on Nascent Technologies in Engineering, Vashi, India, Jan. 15-16, 2021	15-16 Jan 2021	IEEE Xplore
5.	Sanjay Rukhande	Ganesh Bile, Sanjay W Rukhande, Walmik S Rathod, "Investigation of friction and sliding wear for journal bearing using Taguchi optimization", in 4 th Biennial International Conference on Nascent Technologies in Engineering, ICNTE- 2021, Vashi, Navi Mumbai, Jan. 15-16, 2021	15-16 Jan 2021	IEEE Xplore
6.	Sanjay Rukhande	Sanjay Rukhande, Walmik S Rathod, Digvijay Bhosale, "Ni-based coating protection of 316L stainless steel against sliding", in National Level Technical Paper Presentation Conference, VJTI, Mumbai, India, Feb. 7, 2021.	7 th Feb 2021	Scopus
7.	Aqleem Siddiqui	Praseed Kumar, Aqleem Siddiqui, Ashay Ghadi, Denisa Tony, Stephen Rhenius, and Saleel Rane , "Damage Detection in beams using Vibration analysis and Artificial Neural Network" , in Proc. 4 th Biennial International Conference on Nascent Technologies in Engineering ICNTE - 2021 4 th Biennial International Conference on Nascent Technologies in Engineering ICNTE " , Vashi , Navi Mumbai, India, Jan 15-16 , pp.650	15-16 Jan 2021	IEEE Xplore

8.	Aqleem Siddiqui	Aqleem Siddiqui, Girish Dalvi, Surabhi Chavan, "A Generalized Methodology to Plot Mode Shapes of the Curved Fixed-Fixed Beams using ANSYS® & MATLAB®", in Proc. 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE - 2021), Fr. C. Rodrigues Institute of Technology, Navi Mumbai, January 15-16, 2021.	15-16 Jan 2021	IEEE Xplore/ Book Chapter
9.	Praseed Kumar	Praseed Kumar, Aqleem Siddiqui, Ashay Ghadi, Denisa Tony, Stephen Rhenius, and Saleel Rane , "Damage Detection in beams using Vibration analysis and Artificial Neural Network" , in Proc. 4 th Biennial International Conference on Nascent Technologies in Engineering ICNTE - 20214 th Biennial International Conference on Nascent Technologies in Engineering ICNTE " , Vashi , Navi Mumbai, India, Jan 15-16 , pp.650	15-16 Jan 2021	IEEE Xplore
10.	Praseed Kumar	S. M. Khot , Praseed Kumar, Jabez James , Atul Shenoy , Aditya Shende , Joel Thomas , "Automated Seed Sowing Robot" , in Proc. 4th Biennial International Conference on Nascent Technologies in Engineering , Vashi , India, Jan. 15-16 , 2021 , pp. 1-4	15-16 Jan 2021	IEEE Xplore
11.	Praseed Kumar	Mrunalini M Patil, Praseed Kumar, S.M Khot, Nitin Satpute, " Characterization of Magneto-Rheological Damper", 4 th Biennial International Conference on Nascent Technologies in Engineering , Vashi , India, Jan. 15-16 , 2021 , pp. 1-4	15-16 Jan 2021	IEEE Xplore
12.	Girish Dalvi	Aqleem Siddiqui, Girish Dalvi, Surabhi Chavan, "A Generalized Methodology to Plot Mode Shapes of the Curved Fixed-Fixed Beams using ANSYS® & MATLAB®", in Proc. 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE - 2021), Fr. C. Rodrigues Institute of Technology, Navi Mumbai, January 15-16, 2021.	15-16 Jan 2021	IEEE Xplore
13.	Afzal Ansari	N. N. Deshmukh, A. Ansari, S. Degwekar, R. Unnikrishnan and B. T. Paul, "Effects of Volume and Neck Length of Helmholtz Resonator on Thermo-acoustic Instability," 2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE), 2021, pp. 1-5, doi: 10.1109/ICNTE51185.2021.9487662.	15-16 Jan 2021	IEEE Xplore

SUMMARY OF PUBLICATIONS (SH20)

Sr.no.	Type of Publication	No. of Publications
1.	Journal Publications	06
2.	Conference Publications	04

PAPERS PUBLISHED IN JOURNALS

SH20

Sr. No.	Name of Faculty Member	Details of Papers Published	Date	DOI	Category
1	Nitesh Yelve	F. Masurkar, K. Ming Ng, P. W. Tse, and N. P. Yelve, "Interrogating the health condition of rails using the narrowband Rayleigh waves emitted by an innovative design of non-contact laser transduction system", Structural Health Monitoring. November 2020. doi:10.1177/1475921720967600	2nd Nov 2020	10.1177/1475921720967600	Scopus/ Book Chapter
2	Sanjay Rukhande	D. G. Bhosale, T. R. Prabhu, W. S. Rathod, M. A. Patil, and S. W. Rukhande, "High temperature solid particle erosion behaviour of SS 316L and thermal sprayed WC-Cr 3 C 2 – Ni coatings," Elsevier , Wear, vol. 463, no. October, 2020.	21st Oct 2020	https://doi.org/10.1016/j.wear.2020.203520	Scopus
3	Sanjay Rukhande	D. G. Bhosale, W. S. Rathod, U. S. Ghorpade, and S. W. Rukhande, "Nickel alloy C-263 protection by WC-Cr3C2-Ni coatings against high-temperature wear in nuclear applications," Surfaces and Interfaces, vol. 21, no. August, p. 100689, 2020.	10th Sept 2020	10.1016/j.surfin.2020.100689	Scopus
4	Sanjay Rukhande	Sanjay W. Rukhande, Walmik S. Rathod, D. G. Bhosale "Dry sliding wear behaviour of HVOF sprayed NiCrBSiFe coating on SS 316L," Mater. Today Proc., vol. 1, no. 2, pp. 1–8, 2020.	18th Sept 2020	10.1016/j.matpr.2020.08.408	Scopus
5	Sanjay Rukhande	D. G. Bhosale, W. S. Rathod, and S. W. Rukhande, "Effect of counter faces on sliding wear behavior of WC-Cr3C2-Ni composite coating deposited by high velocity oxy fuel," Mater. Today Proc., no.1,2, 2020	22nd Sept 2020	10.1016/j.matpr.2020.08.466	Scopus
6	Nitesh Yelve	Sonal Chibire, Nitesh P. Yelve, and V.M. Chavan, "Evaluation of fracture toughness of precracked steel specimen using Split Hopkinson Pressure Bar", Lecture Notes in Mechanical Engineering, pp 611–622, 2021	2nd Oct 2020	10.1007/978-981-15-4779-9_42	Scopus/ Web of Science

PAPERS PUBLISHED IN CONFERENCES

SH20

Sr. No.	Name of Faculty Member	Details of Papers Published	Date	Category
1	Nitesh Yelve	Jovan Menezes, Shubhankar das, Bhavik Panchal, Nitesh Yelve and Praseed Kumar , Mapping, Trajectory Planning, and Navigation for Hexapod Robots Using ROS " , in Proc. 1 st International Conference on Energy, Materials Sciences and Mechanical Engineering, Oct. 30- Nov.1.	30 Oct -1 Nov 2020	Scopus
2.	Praseed Kumar	Jovan Menezes, Shubhankar das, Bhavik Panchal, Nitesh Yelve and Praseed Kumar , Mapping, Trajectory Planning, and Navigation for Hexapod Robots Using ROS " , in Proc. 1 st International Conference on Energy, Materials Sciences and Mechanical Engineering, Oct. 30- Nov.1.	30 Oct -1 Nov 2020	Scopus
3	Sanjay Rukhande	Sanjay W Rukhande, W. S. Rathod, Digvijay G Bhosale,"High-Velocity Oxy-Fuel Sprayed Ni-Based Coating For Isothermal Oxidation", in International Conference on Advancement & Futuristic Trends in Mechanical & Materials Engineering, IIT, Ropar, India, Dec. 19-20, 2020	19-20th Dec 2020	Scopus
4	Prasad Bari	P. Bari and P. Karande, "Cost Minimization in a Scheduling Problem with Unrestricted and Restricted Common Due Date" International Conference on Evolution in Manufacturing (ICEM 2020), MNIT, Jaipur, Dec 10-12, 2020	10-12th Dec 2020	Scopus